

GRADING & DRAINAGE NOTES:

1. CONTRACTOR SHALL GRADE AROUND BUILDINGS TO PROMOTE POSITIVE DRAINAGE AWAY FROM BUILDINGS.
2. CONTRACTOR SHALL INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO ANY GROUND DISTURBING ACTIVITIES ON THE SITE.
3. TOPSOIL SHALL BE STRIPPED AND STOCKPILED IN AN AREA DESIGNATED BY OWNER, AND SHALL BE RE-USED IN LAWN AND SLOPE AREAS ON THE PROJECT (MINIMUM 4" DEPTH, MAXIMUM 8" DEPTH UNLESS OTHERWISE NOTED). TOPSOIL STOCKPILE(S) SHALL BE PROTECTED BY SILT FENCE ON ALL SIDES, OR BY OTHER MEANS AS NECESSARY TO PREVENT SILT-LADEN RUNOFF FROM LEAVING THE STOCKPILE AREA.
4. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL VEGETATIVE MATTER, TREE STUMPS, ROOTS, AND DELETERIOUS MATERIAL LEGALLY OFFSITE. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING RIGHTS TO APPROVED OFF-SITE BORROW OR WASTE AREAS.
5. TOPOGRAPHIC INFORMATION FROM TOWN OF BLACKSBURG LIDAR 2005 AND FIELD SURVEY
6. EXISTING CONTOUR INTERVAL: 2.0'
PROPOSED CONTOUR INTERVAL: 2.0'
7. REFERENCE TECHNICAL SPECIFICATIONS FOR EARTHWORK COMPACTION STANDARDS AND REQUIREMENTS.
8. ALL SPOT ELEVATIONS AT CURBS SHALL REPRESENT THE BOTTOM FACE OF CURB / PAVEMENT ELEVATION UNLESS OTHERWISE INDICATED.
9. ALL SPOT ELEVATIONS AT THE FACE OF THE BUILDING REPRESENT THE FINISHED GROUND OR PAVEMENT GRADE ADJACENT TO BUILDING.
11. MAINTENANCE OF ALL ON-SITE STORMWATER DETENTION AND MANAGEMENT FACILITIES ARE THE RESPONSIBILITY OF THE PROPERTY OWNER.

CONSTRUCTION NOTES:

1. UNDER NO CIRCUMSTANCES SHALL UTILITY SERVICE BE INTERRUPTED WITHOUT PRIOR AUTHORIZATION FROM AND COORDINATION WITH THE UTILITY OWNER.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF BLACKSBURG AND VDOT STANDARDS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE OWNER'S OFFICIALS PRIOR TO BEGINNING CONSTRUCTION.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH SEC. 59-1-406 ET SEQ. OF THE CODE OF VIRGINIA (OVERHEAD HIGH VOLTAGE LINES SAFETY ACT).
5. THE MOST RECENT OSHA TRENCHING STANDARDS SHALL APPLY ON THIS PROJECT.
6. THERE ARE NO KNOWN GRAVES, OBJECTS, OR STRUCTURES ON SITE MARKING PLACE OF HUMAN BURIAL.
7. ALL UTILITIES WILL BE VISUALLY INSPECTED BY THE TOWN'S INSPECTOR PRIOR TO BACKFILLING TRENCHES OR AROUND MANHOLE STRUCTURES.
8. A DIGITAL COPY OF THE SITE PLAN SHALL BE MADE AVAILABLE TO CONTRACTOR FOR STAKE OUT OF SITE IMPROVEMENTS AND FOR CONTROL PURPOSES.
9. PAVEMENT WORK WITHIN THE RIGHT-OF-WAY REQUIRES THE FOLLOWING INSPECTIONS:

1. SUBGRADE PRIOR TO PLACEMENT OF BASE STONE

2. BASE STONE PRIOR TO PLACEMENT OF PAVEMENT

3. PAVEMENT
10. BACKFLOW PREVENTERS TO BE PROVIDED BY CONTRACTOR.

GENERAL UTILITY NOTES:

1. EXISTING GROUND LINE ELEVATIONS ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY MANHOLE DEPTHS AND LOCATIONS BY FIELD STAKING PRIOR TO ORDERING MATERIALS.
2. THIS PROJECT DOES NOT LIE WITHIN A FEMA DESIGNATED 100-YEAR FLOODPLAIN.
3. SEWER LATERAL CONNECTIONS AT MANHOLES SHALL MATCH CROWNS WITH THE SEWER MAINS. UNLESS OTHERWISE NOTED.
4. SANITARY SEWER PIPE IN SPECIFIC AREAS IDENTIFIED ON THE PROFILES SHALL BE PRESSURE CLASS 350 DUCTILE IRON PIPE.
5. ALL PROPOSED WATER AND SEWER LINES SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL SEPARATION OF 10'.
6. PLUMBING SHALL CONFORM TO THE UNIFORM STATEWIDE BUILDING CODE AND ALL OTHER LOCAL CODES AND ORDINANCES.
7. CHAMBERS OR PITS CONTAINING VALVES, BLOWOFFS, METERS OR OTHER APPURTENANCES TO THE DISTRIBUTION SYSTEM SHALL BE DRAINED TO THE SURFACE OF THE GROUND WHERE THEY ARE NOT SUBJECT TO FLOODING BY SURFACE WATER OR TO ABSORPTION PITS LOCATED ABOVE THE SEASONAL GROUNDWATER TABLE ELEVATION. SUMP PUMPS MAY BE USED WHERE OTHER MEANS ARE NOT PRACTICABLE.
8. ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND DO NOT REPRESENT ALL UNDERGROUND UTILITIES. PRIOR TO EXCAVATION AND BORINGS, THE CONTRACTOR SHALL CONTACT "MISS UTILITY" (1-800-552-7001) TO HAVE ALL UNDERGROUND UTILITIES LOCATED AND MARKED.
9. REMOVAL AND DISPOSAL OF EXISTING STRUCTURES SHALL BE IN ACCORDANCE WITH SECTION 104.05 OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS, JANUARY 1997, EXCEPT THE WORD ENGINEER SHALL BE CHANGED TO OWNER.
10. CONTRACTOR SHALL MAINTAIN UTILITY SERVICE TO ALL EXISTING CUSTOMERS THROUGHOUT CONSTRUCTION. THIS MAY REQUIRE TEMPORARY CONNECTIONS AND/OR RELOCATION OF EXISTING SERVICE LINES AND METERS.
11. EXISTING IMPROVEMENTS THAT ARE REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
12. IN AREAS WHERE IT IS NECESSARY TO BENCH SLOPES TO INSTALL UTILITY LINES, SLOPES SHALL BE RESTORED TO THE ORIGINAL SLOPE OR TO THE SLOPE NECESSARY TO SUCCESSFULLY STABILIZE THE SLOPE.

EROSION AND SEDIMENT CONTROL NOTES:

1. PERIMETER EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
2. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND NARRATIVE SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
3. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL PREPARE A SEPARATE, SUPPLEMENTARY EROSION CONTROL PLAN TO BE SUBMITTED TO THE EROSION AND SEDIMENT CONTROL ADMINISTRATOR FOR REVIEW AND APPROVAL.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
5. ALL DISTURBED AREAS SHALL DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
6. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY. IN ADDITION, THE JOB SUPERINTENDENT SHALL KEEP RECORDS OF ALL INSPECTIONS OF AND MAINTENANCE MEASURES TO EROSION CONTROL ITEMS. THESE RECORDS SHALL BE LEFT ON SITE AT ALL TIMES DURING CONSTRUCTION.
7. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH), LATEST EDITION.
8. ALL DENUDED AREAS SHALL BE SEEDED ACCORDING TO VESCH STANDARD AND SPECIFICATION 3.32 (PERMANENT SEEDING) WITHIN 7 DAYS OF REACHING FINAL GRADE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN 7 DAYS TO DENUDED AREAS THAT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS.
9. SEEDING SHALL NOT BE CONSIDERED COMPLETE UNTIL THERE IS 80% GROUND COVERAGE WITH A SUITABLE VEGETATIVE COVERAGE ON ANY 10'x10' AREA OF THE SITE DESIGNATED TO BE A SEEDED AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL.
10. THE CONTRACTOR SHALL WARRANTY ALL EROSION & SEDIMENT CONTROL MEASURES FOR ONE (1) YEAR FROM DATE OF SUBSTANTIAL COMPLETION OF SITEWORK UNLESS OWNER RELEASES CONTRACTOR BEFORE ONE YEAR HAS EXPIRED.
11. THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRECONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
12. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.

EROSION AND SEDIMENT CONTROL MEASURE LEGEND

		CONSTRUCTION ENTRANCE VESCH STD. & SPEC. 3.02
		CONSTRUCTION ROAD STABILIZATION VESCH STD. & SPEC. 3.03
		SILT FENCE VESCH STD. & SPEC. 3.05
		STORM DRAIN PROTECTION VESCH STD. & SPEC. 3.07
		OUTLET PROTECTION VESCH STD. & SPEC. 3.18
		ROCK CHECK DAM VESCH STD. & SPEC. 3.20
		SURFACE ROUGHENING VESCH STD. & SPEC. 3.29
		TOPSOILING VESCH STD AND SPEC 3.30
		PERMANENT SEEDING VESCH STD. & SPEC. 3.32
		MULCHING VESCH STD. & SPEC. 3.35
		CULVERT INLET PROTECTION VESCH STD. & SPEC. 3.08
NO SYMBOL		TEMPORARY SEDIMENT BASIN VESCH STD. & SPEC. 3.14
NO SYMBOL		STORMWATER CONVEYANCE CHANNEL VESCH STD. & SPEC. 3.17
NO SYMBOL		TEMPORARY SEEDING VESCH STD. & SPEC. 3.31
NO SYMBOL		SOIL STABILIZATION BLANKETS & MATTING VESCH STD. & SPEC. 3.36

TOWN ENGINEER	DATE
TOWN PLANNER	DATE



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DATE	: 27 APR 07	REV.#		COMMENTS	DATE
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DRAWN	: DRB/CMW	----		----	----
CHECKED:	TMK	----		----	----
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FIRST & MAIN
SOUTH MAIN STREET IMPROVEMENTS
BLACKSBURG, VIRGINIA

GENERAL NOTES

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